



**PATENT**  
Customer No. 22,869  
Attorney Docket No. S730/002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Inventors: J. Clark & C. Denning**

**Filing Date: June 13, 2000**

Serial No: 09/593,316

**Title:** Animal Tissue for  
Xenotransplantation

) Group Art Unit: 1632  
) Examiner: Quan J. Li, Ph.D.  
) Confirmation No.: 5627

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Sir:**

**REVOCATION OF POWER OF ATTORNEY  
AND GRANT OF NEW POWER OF ATTORNEY**

The undersigned, a representative authorized to sign on behalf of the assignee owning all of the interest in this patent application, hereby revokes all previous powers of attorney or authorization of agent granted in this application before the date of execution hereof. The undersigned verifies that Geron Corporation (Customer No. 22,869) is the assignee of the entire right, title, and interest in the patent application identified above by virtue of an assignment from the inventors recorded in the U.S. Patent and Trademark Office at Reel 011462, Frame 0218. The undersigned certifies that the evidentiary documents have been reviewed and to the best of the undersigned's knowledge and belief, title is in the assignee Geron Corporation.

The undersigned hereby grants its power of attorney to the patent practitioners associated with **FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Customer Number 22,852**, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and to receive the Letters Patent.

Please send all future correspondence concerning this application to Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., Customer No. 22,852.

Dated: February 21, 2006

By: 

David J. Earp, J.D., Ph.D.  
Registration No. 41,401  
Chief Patent Counsel, Sr. V.P. Business  
Development  
Geron Corporation  
Customer No. 22,869



UNITED STATES DEPARTMENT OF COMMERCE  
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APRIL 09, 2001

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730/002

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RECORDATION DATE: 12/28/2000

REEL/FRAME: 011462/0218  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

BIOTECHNOLOGY AND BIOLOGICAL  
SCIENCES RESEARCH COUNCIL

DOC DATE: 11/10/2000

## ASSIGNOR:

ROSLIN INSTITUTE (EDINBURGH)

DOC DATE: 11/13/2000

## ASSIGNOR:

CLARK, JOHN

DOC DATE: 10/30/2000

## ASSIGNOR:

DENNING, CHRIS

DOC DATE: 10/31/2000

## ASSIGNOR:

GERON BIO-MED LIMITED

DOC DATE: 12/15/2000

## ASSIGNEE:

GERON CORPORATION, A DELAWARE  
CORPORATION  
230 CONSTITUTION DRIVE  
MENLO PARK, CALIFORNIA 94025

011462/0218 PAGE 2

SERIAL NUMBER: 09593316  
PATENT NUMBER:

FILING DATE: 06/13/2000  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FORM PTO-1619A  
Expires 05/30/99  
OMB 0851-0027

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Execution Date  
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Name (line 1)

Biotechnology and Biological Sciences Research Council

11102000

Name (line 2)

Execution Date  
Month Day Year

## Second Party

Name (line 1)

Roslin Institute (Edinburgh)

11132000

Name (line 2)

09593316

## Receiving Party



Mark if additional names of receiving parties attached

Name (line 1)

Geron Corporation

Name (line 2)

a Delaware Corporation

Address (line 1)

230 Constitution Drive

Address (line 2)

Address (line 3)

Menlo Park

CA, US

94025

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

## Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

David J. Earp

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Address (line 4)

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U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

## Correspondent Name and Address

Area Code and Telephone Number (650) 473-7721

Name David J. Earp

Address (line 1) Geron Corporation

Address (line 2) 230 Constitution Drive

Address (line 3) Menlo Park, CA 94025

Address (line 4)

## Pages

Enter the total number of pages of the attached conveyance document  
including any attachments.

# 3

## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

09593916

## Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was  
signed by the first named executing inventor.

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number

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Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document. Charges to deposit account are authorized, as  
indicated herein.

David J. Earp

Name of Person Signing

Signature

Date

DEC 22, 2000

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PATENT

## Conveying Party(ies)

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Enter additional Conveying Parties

Name (line 1) Clark, John

Execution Date  
Month Day Year

10302000

Name (line 2)

Name (line 1) Denning, Chris

Execution Date  
Month Day Year

10312000

Name (line 2)

Name (line 1) Geron Bio-Med Limited

Execution Date  
Month Day Year

12152000

Name (line 2)

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## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



**COPY****ASSIGNATION**

This is an assignment by Biotechnology and Biological Sciences Research Council, whose principal office is at Polaris House, North Star Avenue, Swindon SN2 1UH, England ("BBSRC"); the Roslin Institute (Edinburgh) of Roslin Biotechnology Centre, Roslin, Midlothian EH25 9PS, Scotland ("the Institute"); Geron Bio-Med Limited, a company incorporated in Scotland (Registered No. 179263) and having its Registered Office at Roslin Biotechnology Centre, Roslin, Midlothian EH25 9PS, Scotland ("Bio-Med"); and John Clark and Chris Denning of Midlothian, Scotland ("the Inventors"), in favor of Geron Corporation, a Delaware corporation having a principal place of business at 230 Constitution Drive, Menlo Park, California 94025, USA ("Geron"). Collectively, the BBSRC, the Roslin Institute, Bio-Med and the Inventors are hereby referred to as the ASSIGNORS.

**WHEREAS:**

- (A) The Inventors have created certain new and useful improvements directed towards animal tissue for xenotransplantation, such inventions being described in the following patent applications:

<i>Patent Application No.</i>	<i>Title</i>	<i>Filing Date</i>
60/204,148	Animal Tissue for Xenotransplantation	15 May 2000
09/593,316		13 June 2000

- (B) Said inventions were created by the Inventors in their capacity as employees of the BBSRC based at the Roslin Institute and in circumstances such that the Inventors' rights to the Inventions belong ab initio to the BBSRC by virtue of the provisions of the UK Patents Act 1977.
- (C) The inventions were created in the course of (i) a research project funded by Geron Bio-Med Limited pursuant to a Research Agreement entered into between the Institute and Geron Bio-Med Limited dated 7<sup>th</sup> April 1998 and (ii) a research project funded by Geron pursuant to a Research and License Agreement entered into between the Institute, Geron and Geron Bio-Med Limited dated 30<sup>th</sup> April and 3<sup>rd</sup> May 1999 ("the Research Agreements"). Pursuant to the Research Agreements, and as agreed between Geron and Geron Bio-Med, all rights in and to the inventions and the patent applications belong to Geron.

**NOW THEREFORE IT IS AGREED AS FOLLOWS:****1. DEFINITIONS**

In this Assignment (including the Recitals) unless the context otherwise requires:

**Invention** means the invention relating to animal tissue for xenotransplantation which is the subject of the Patent Applications;

**Intellectual Property Rights** means all present and future and other relevant intellectual property rights relating to the Invention, and all applications and rights to apply for registration of such rights anywhere in the world and the right to sue for any and all past infringements of such rights;

**Patent Applications** means the United States Provisional Patent Application Serial No. 60/204,148 and United States Patent Application Serial No. 09/593,316.



## 2. ASSIGNATION

The BBSRC, the Roslin Institute, Bio-Med and the Inventors by their execution of this Assigination, hereby assign to Geron Corporation (the Assignee), all property, right, title, and interest in and to the Invention, the Patent Applications and the Intellectual Property Rights, including all statutory and common law rights.


## 3. UNDERTAKING


Each of the Assignors hereby irrevocably undertake at the request and cost of the Assignee to do and execute all such further documents, forms and authorisations as may be required to vest its full property, right, title and interest in and to the Inventions, the Patent Applications and any other Intellectual Property Rights in the Assignee absolutely, including but not limited to registration of the Assignee's title as proprietor at relevant patent offices and trade mark registries anywhere in the world and, for this purpose, each of the Assignors hereby irrevocably appoints the Assignee to act as their attorney with the power to do and execute any such documents, forms and authorizations on their behalf.

## 4. GOVERNING LAW


This Assigination shall be governed by and construed in accordance with the laws of Scotland and the parties hereby prorogate the exclusive jurisdiction of the Scottish Courts: **IN WITNESS WHEREOF** these presents on this and the preceding page are executed as follows:

SUBSCRIBED for and on behalf of  
BIOTECHNOLOGY AND BIOLOGICAL  
SCIENCES RESEARCH COUNCIL by SCOTT  
M LAWRIE, Authorised Signatory, at SWINDON  
on 10/11/2000 before the following Witness:

 ..... Witness  
MARY MCQUEEN ..... Full Name  
8 CLYDE COVAGES ..... Address  
KORANGHTON, SWINDON

  
.....  
For and on behalf of Biotechnology and  
Biological Sciences Research Council

SUBSCRIBED for and on behalf of ROSLIN  
INSTITUTE (EDINBURGH) by  
JOHN WITHERS, Authorised Signatory, at  
on 13/11/2000 before the following Witness:

 ..... Witness  
FRANCES BURGESS ..... Full Name  
8 SKELTIEVALE AVENUE ..... Address  
BONNYRIGG

  
.....  
For and on behalf of Roslin Institute (Edinburgh)

SIGNED by John Clark at *ROSLIN*  
on ~~30~~ 30 2000 before the following Witness:

*Sheelagh Strachan* Witness  
*SHEELAGH STRACHAN* Full Name  
*20 ROSABELLE ROAD* Address  
*ROSLIN, MIDLOTHIAN*  
*EH25 9PD SCOTLAND*

*HP ad*  
John Clark

SIGNED by Chris Denning at *ROSLIN*  
on ~~31~~ 10 2000 before the following Witness:

*Sheelagh Strachan* Witness  
*SHEELAGH STRACHAN* Full Name  
*20 ROSABELLE ROAD* Address  
*ROSLIN, MIDLOTHIAN*  
*EH25 9PD SCOTLAND*

*C. Denning*  
Chris Denning

SUBSCRIBED for and on behalf of GERON  
BIO-MED LIMITED by David L. Greenwood  
Authorized Signatory, at Menlo Park, CA  
on ~~15~~ Dec 2000 before the following Witness:

*Karen Makausky* Witness  
*Karen Makausky* Full Name  
*230 Constitution Drive* Address  
*Menlo Park, CA 94025*

*[Signature]*  
For and on behalf of Geron Bio-Med Limited

SUBSCRIBED for and on behalf of GERON  
CORPORATION by David J. Earp  
Authorized Signatory, at Menlo Park, CA  
on ~~15~~ Dec 2000 before the following Witness:

*Karen Makausky* Witness  
*Karen Makausky* Full Name  
*230 Constitution Drive* Address  
*Menlo Park, CA 94025*

*DJEa*  
For and on behalf of Geron Corporation